

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	77	artifact\$1 with hysteresis	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:54
L5	1	10/774174	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 13:12
L6	2494	382/275	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:48
L7	8	"6460003"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:03
L8	3	7 and scintillator	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 14:49
L9	2962	artifact\$1 with (hysteresis or gain or increase)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:54
L10	93	9 and scintillator	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:55
L11	89	10 and imag\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 15:55
L12	12	"6438201"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:09
L13	156	(alter\$5 with scintillator)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:11
L14	15	13 and x-ray and flux	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:11
L15	363	((alter\$5 or correct\$4 or hysteresis) with scintillator)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:11
L16	52	15 and x-ray and flux	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:12
L17	13	16 and artifact	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 16:13

## EAST Search History

S1	0	(10/774174).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/07 15:25
S2	0	10/77417	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:25
S3	1	10/774174	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 17:41
S4	8	"6460003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:54
S5	7	S4 and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:54
S6	7	S5 and imag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:54
S7	2	S6 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:56

## EAST Search History

S8	61	("20010031076"   "20020081006"   "20020193687"   "20030048867"   "20030095693"   "20030095695"   "20030165262"   "20030176780"   "20030215124"   "20040069951"   "20050281478"   "4135247"   "4613754"   "4974598"   "5170439"   "5325293"   "5335260"   "5396886"   "5446799"   "5528492"   "5549117"   "5570404"   "5581460"   "5704371"   "5729620"   "5768406"   "5807256"   "5832450"   "5832504"   "5895461"   "5911133"   "5950207"   "5986662"   "6029138"   "6049622"   "6058322"   "6061419"   "6061695"   "6083162"   "6088488"   "6110109"   "6122351"   "6133918"   "6137898"   "6190334"   "6205871"   "6226352"   "6233304"   "6253214"   "6304848"   "6317617"   "6320931"   "6348793"   "6366638"   "6430430"   "6460003"   "6674834"   "6674880"   "6697415"   "6813393"   "6928182").PN. OR ("7149331"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/07 15:56
S9	3964	382/128	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/07 15:56
S10	1760	382/131	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/07 15:56
S11	1	S7 and x\$ray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:57
S12	1	S7 and (x-ray or xray)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:57

## EAST Search History

S13	14143	scintillator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:57
S14	112	S13 and hysteresis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:58
S15	31	S14 and artifacts	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:58
S16	29	S15 and x-ray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:58
S17	29	S16 and imag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:58
S18	29	S17 and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:59
S19	6	S18 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:59
S20	4	S19 and automa\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:59

## EAST Search History

S21	6	S19 and pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:59
S22	6	S19 and pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 15:59
S23	6	S19 and pixel\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:00
S24	150	shape near1 artifact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:07
S25	121	S24 and ( detect\$4 or extract or find\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:07
S26	123	S24 and ( detect\$4 or extract\$4 or find\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:07
S27	18	S26 and x\$ray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:07
S28	14	S27 and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:07

## EAST Search History

S29	6	S28 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:13
S30	1305	"2829" and deviation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:09
S31	2	S29 and deviation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:09
S32	4	S29 and (flux or hysteres\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 16:14
S33	0	photodio\$5 with signal with pixel\$4 same (threshold and imag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:10
S34	67	photodio\$5 with signal with pixel\$4 same (threshold and imag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:10
S35	0	S34 and (x\$ray with flux)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:11
S36	2	S34 and flux	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:11

## EAST Search History

S37	67	S34 and imag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:11
S38	13	S37 and irradiat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 17:12
S39	8	"6460003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 21:25
S40	0	S39 and hystere\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 17:42
S41	0	S39 and flux	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 17:42
S42	26	("4315318"   "4674125"   "4716414"   "4718104"   "4731865"   "4868651"   "4891757"   "4920428"   "4969204"   "5075883"   "5224177"   "5461655"   "5467404"   "5506880"   "5528659"   "5546473"   "5644662"   "5693948"   "5760403"   "6266625").PN. OR ("6460003").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:43
S43	11	S42 AND THRESHOLD	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:43
S44	6	S43 and artifa\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:44
S45	10	S43 and (artifa\$5 or error or misrepres\$6 or distort\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:44

## EAST Search History

S46	10	S45 and imag\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:45
S47	10	S46 and pixel\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:51
S48	61	( "20010031076"   "20020081006"   "20020193687"   "20030048867"   "20030095693"   "20030095695"   "20030165262"   "20030176780"   "20030215124"   "20040069951"   "20050281478"   "4135247"   "4613754"   "4974598"   "5170439"   "5325293"   "5335260"   "5396886"   "5446799"   "5528492"   "5549117"   "5570404"   "5581460"   "5704371"   "5729620"   "5768406"   "5807256"   "5832450"   "5832504"   "5895461"   "5911133"   "5950207"   "5986662"   "6029138"   "6049622"   "6058322"   "6061419"   "6061695"   "6083162"   "6088488"   "6110109"   "6122351"   "6133918"   "6137898"   "6190334"   "6205871"   "6226352"   "6233304"   "6253214"   "6304848"   "6317617"   "6320931"   "6348793"   "6366638"   "6430430"   "6460003"   "6674834"   "6674880"   "6697415"   "6813393"   "6928182").PN. OR ("7149331"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:53
S49	1	S47 and (scintill\$6 or hyster\$6 or flux)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:51
S50	49	S48 and (first and second)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 17:53
S51	7	S50 and (scintill\$5 or hyster\$6 or flux)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:00
S52	2	10/151510	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 18:02



## EAST Search History

S53	1	S50 and flux	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 18:03
S54	1	S51 and flux	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:01
S55	0	flast near3 x\$ray	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:01
S56	1383	flat near3 x\$ray	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:01
S57	1383	flat near3 x\$ray	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:01
S58	404	S57 and (scintill\$5 or hysteresis or flox)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:02
S59	369	S58 and signal\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:02
S60	156156	"21" and pixel\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:02
S61	369	S58 and signal\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:02
S62	228621	21and pixel\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:02
S63	282	S59 and pixel\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:45
S64	21549	differ\$5 with (signal\$2 same threshold)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:46
S65	1005	S64 and artifact	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:46
S66	526	S65 and pixel\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:47
S67	460	S66 and (area or region)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:47

## EAST Search History

S68	451	S67 and imag\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:47
S69	20	S68 and flux\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:49
S70	8	S69 and photod\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:20
S71	2	S70 and deviat\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 19:49
S72	36	"5239591"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:20
S73	1	S72 and scintill\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:44
S74	14	x\$ray with flux same threshold and pixel\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 22:36
S75	5	"6246747"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:32
S76	40	"5376795"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:32
S77	15	"5365069"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:31
S78	14	"5587585"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:31
S79	3	"5939724"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:32
S80	10	"388258"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:32
S81	3	"6388258"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 20:32

## EAST Search History

S82	2	"6996262"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 21:25
S83	18	("4541106"   "4780897"   "4811373"   "4901337"   "4963746"   "5132995"   "5165410"   "5436829"   "5687211"   "5841832"   "5841833"   "6160866"   "6185271"   "6298109").PN. OR ("6438201").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 21:55
S84	0	irridat\$6 with flux with pixel\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 21:56
S85	3	irridat\$6 and flux and pixel\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 21:56
S86	150	shape near1 artifact\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 22:35
S87	123	S86 and ( detect\$4 or extract\$4 or find\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 22:35
S88	18	S87 and x\$ray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 22:35
S89	14	S88 and signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/12 22:35
S90	6	S74 and bon\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 22:36
S91	6	S90 and imag\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 22:37

## EAST Search History

S92	3	S91 and photod\$8	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 22:43
S93	3	S92 and signal	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 22:58
S94	3	S93 and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 23:50
S95	1	10/774174	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 23:37
S96	6	flat near1 field near1 x\$ray	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/12 23:50
S97	8	"6438201"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:42
S98	148	shape near1 artifact	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:44
S99	44	S98 and (hysteresis or scintilla\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:43
S10 0	1	S98 with (hysteresis or scintilla\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:43
S10 1	3	S98 same(hysteresis or scintilla\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:43
S10 2	77	artifact\$1 with hysteresis	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:44
S10 3	4	S102 and scintillator	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:50
S10 4	1030	250/366	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:50
S10 5	1074	250/367	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/06 16:51
S10 6	13	"876579"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 13:07